

**Waste Treatment Lagoon  
Inspection Checklist**

Farm: \_\_\_\_\_ Pit/Storage/Lagoon ID: \_\_\_\_\_  
 Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_

**Manure/Effluent Level and Other Observations**

Today \_\_\_\_\_ Last Observation: \_\_\_\_\_ (date)  
 Liquid level: \_\_\_\_\_ ft \_\_\_\_\_ ft  
 Depth remaining: \_\_\_\_\_ ft \_\_\_\_\_ ft

Inspection Items	Yes	No	Corrective Action Needed
Is liquid level marker available and visible?			
Storage/lagoon: Does required freeboard exist? <sup>1</sup>			
Runoff holding pond: Is sufficient volume available for runoff from 25-yr, 24-hr storm?			
Manure pump/transfer pipes functioning?			
Recycle pumps/transfer pipes functioning?			
Electrical conductivity (anaerobic lagoon) _____ μmho/cm			

<sup>1</sup>Measured from lowest point in dam, berm, or spillway to liquid level.

Earthen Structure	Yes	No	Corrective Action Needed
<b>Interior liner erosion observed . . .</b>			
Due to wave action?			
In vicinity of inlets?			
In vicinity of outlets?			
Due to erosion from rainfall?			
Near agitation equipment access points?			
<b>Signs of berm/dam damage due to . . .</b>			
Burrowing animals?			
Presence of trees?			
Presence of undesirable vegetation?			
Erosion or gullies?			
Poorly established sod?			
<b>Are there indications of . . .</b>			
Damp, soft, or slumping areas on berms?			
Seepage near toe of berm?			
Seepage around pipes through the berm?			

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<b>Concrete/Steel Tanks</b>	<b>Yes</b>	<b>No</b>	<b>Corrective Action Taken/Planned?</b>
<b>Signs of ...</b>			
Cracks or structural damage?			
Leakage?			
Wet spots around base of tank?			
<b>Clean water diversion</b>			
Are perimeter drains plugged or blocked?			
Is roof water entering storage?			
Is field runoff entering storage?			
Are diversions/waterways maintained?			
<b>Visual appearance and safety</b>			
Is site neat and recently mowed?			
Is storage visually hidden from public?			
Are mortality or afterbirth observed?			
Is veterinary waste observed?			
Is area fenced and properly marked?			
Is escape ladder available?			

<b>Odor</b>	<b>Yes</b>	<b>No</b>	<b>Corrective Action Taken/Planned?</b>		
<b>Anaerobic lagoon is ...</b>					
Purple?					
At or above minimum treatment level?					
Actively bubbling?					
<b>Manure storage or holding pond is ...</b>					
Covered or crusted over?					
<b>All structures</b>					
Are all inlet pipes submerged?					
Weather conditions		Temperature	Wind Speed	Wind Direction	Relative Humidity
Rate downwind odor from facility:	None	Faint	Distinct	Strong	Unbearable

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